

Capt. R. Alejandro Pérez Chávez

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Education **Wayne State University** – Detroit, MI [2002]
– Master of Liberal Arts, **Cultural Anthropology**.
– Thesis” “An Anthropological Approach to Aviation Accident Investigation: Getting Trapped in an Unplanned and Complex Situation – The Crash of American Airlines 965 in Cali, Colombia”.
– Graduate Teaching Assistant in Business Anthropology.

National School of Anthropology and History – Mexico City [1996]
– Bachelor of Science, **Physical Anthropology** – Distinguished Graduate.
– Undergraduate Thesis: “Glass Cockpit of an Aeromexico MD-88: A Complex Man-Machine System Seen Through its Culture.

Flight School, Aeroescuela – Mexico City [1978]
– Private, Instrument, Commercial, and Multi-Engine Pilot courses.

Work Experience **Retired Captain - Aeromexico** – Mexico City [1980 - 2017]
– Licensed Air Transport Pilot with 37 years of experience and over 18,000 hours at Mexico’s leading airline Aeromexico.
– Aircraft flown: DC-8, DC-9, MD-80, B-767, and B-787.
– Pioneer on the design and delivery of the Crew Resource Management (CRM) program for Aeromexico.

Entrepreneur - Uleadair – Mexico City [2008 – Present]
– Founder and CEO of Uleadair, a company dedicated to the training of English proficiency and safety culture for pilots.
– Uleadair provides customized services and products through simple solutions using applied research and e-learning.
– Uleadair has worldwide customers thanks to online capabilities including ATC instructors, simulators, and online classrooms.

International Research Consultant [2000 – Present]
– TAAG Airlines – Angola, Africa
 ▪ Line Operations Safety Assessment (LOSA)
 ▪ Direct observations of risk elements in the 737 cockpits of TAAG Airlines.
– Taiwan Aviation Safety Council – Taiwan, Asia
 ▪ Evaluation of the status and effectiveness of CRM training in Taiwan.
 ▪ Funded by the Aviation Safety Council of the Taiwanese Government.
– American Axle and Manufacturing – Detroit, MI
 ▪ Climate organizational assessment
 ▪ Developed corporate culture through “Cultural Resource Management Training”.
 ▪ Created worked consensus on critical behavior.

Research **Uleadair Research** – Mexico City [2008 – Present]
– Performing academic and research initiatives on developing safety related curriculums for pilots through English Aviation Competency, CRM, Approach and Landing Accident Reduction (ALAR), and Controlled Flight Into Terrain (CFIT) programs.
– Research Interests: Social Technical Interactions, Complex Technology, Complex Systems, Human Adaptation, Aviation Safety, Aviation English, and Cognition

Boeing Commercial Company – San Diego, CA [2001]
– Boeing funded project in contribution with the Distributed Cognition and Human-Computer Interaction Laboratory at the Cognitive Science Department of the University of California.
– Project: Culture and Flight Deck Operation - A critical review of the relationship of human culture to cockpit operations and how it could improve cockpit design.

NASA – Kenney Space Center, FL [2000]

- Award #: NAG 10-279
- NASA funded project in contribution with Wayne State University and Western Michigan University, College of Aviation.
- Project: "Close Call, Close Call Data Sources Review and Analysis" – An in depth study to identify, develop, implement, and lead human factors initiatives throughout the Kennedy Space Center in order to provide a better safety program to the Space Shuttle.

Presentations ICAO Latin America Aviation Safety Workshop - Madrid, Spain - 2004

Co-Author: "Risk as an Asset-Human Factors in Large-Scale Technological Systems" - HIAS Conference - Toulouse, France - 2001

"Irreconcilable Contexts and Normal Accidents: More Lessons From Cali." - II Human Factors Seminar - Mexican Pilots Association – Mexico City, Mexico - 2001

Co-author: Aviation Safety Council of Taiwan. "Culture, CRM, and the Death Spiral" - Wayne State University, Detroit, Michigan - 1999

"Getting Trapped in a CFIT Accident: An Unexpected and Complex Situation. The Case of AA 965 in Cali, Colombia" - Fourth ICAO Global Flight Safety and Human Factors Symposium - Santiago, Chile - 1999

Two presentations: "Controlled Flight into Terrain" and "The Death Spiral in Controlled Flight into Terrain." Presented at the Workshop on Social Systems Interactions in Aviation Safety - Wayne State University, Detroit, Michigan - 1998

"Cultural and Behavioral in Complex Man-Machine Systems: The Case of Airline Pilots." - Society for Applied Anthropology - Cancun, Mexico - 1994

"The Mexican Ethnopsychology and its Application to the Complex Man-Machine System of an Airline Cockpit: a Preliminary Study" - 23rd International Congress of Applied Psychology, at the Cultural Ergonomics in the Word at Work Symposium: Issues and Agendas - Brussels, Belgium - 1994

"Cross-Cultural Issues in Civil Aviation Operation and Training" - Annual Meeting of the Human Performance Committee of the International Federation of Airline Pilots Association - San Francisco, CA - 1993

"Discretionary Behavior in complex Man-Machine Systems: An Anthropological Vision" - Panel of Industrial Anthropology at the International Congress of Ethnology and Anthropology Sciences - Mexico City - 1992

Publications Systems accidents and epistemological limitations: the case of American Airlines' Flight 965 in Cali, Colombia. *Practicing Anthropology*. Vol. 23, No. 4, Fall. Co-author: Psenka, Caroline. 2001

Cultural behavior in the airline cockpit system: a theoretical framework proposal. *Verification and validation of complex human-machine systems: human factors issue*". 2 Vols. Wise, Hopkin and Stager (Eds.). NATO ASI Series. Series: Computer and Systems Sciences, Vol. 110. Heidelberg, Berlin: Springer-Verlas. 1993

Conferences – Participant World Aviation Training and Tradeshow (WATS) Conference - Orlando, USA – 2015

Flight Safety Foundation Conference - Santiago de Chile, Chile – 2014

Simulation workshop: "Simulating Social Dynamics" College of Social and Behavioral Sciences, Department of Anthropology - Flagstaff, Arizona - 2001

10th Airbus Industries Human Factors Symposium - Puerto Vallarta, Mexico - 1999

CHPCS Sixth Annual Workshop. Human Performance: Bridging the Gap Between Research and Practice. Center for Human Performance in Complex Systems - University of Wisconsin - 1999

Tenth International Symposium on Aviation Psychology - Columbus, Ohio - 1999

The 41th Annual Meeting of the Human Factors and Ergonomics Society - Albuquerque, New Mexico - 1997

Corporate Culture and Transportation Safety Symposium. Presented and sponsored by the National Transportation Safety Board - Arlington, Virginia - 1997

The 37th Annual Meeting of the Human Factors and Ergonomics Society - Seattle, Washington - 1993
NATO Advanced Study Institute. Funded by NATO Scientific Affairs División, Eurocontrol, U.S. Federal Aviation Administration, Transport Canada, Embry Riddle Aeronautical University and R.I.I.S.E. To discuss Verification and Validation of Complex and Integrated Human-Machine Systems - Portugal - 1993

**Honors/
Awards**

Undergraduate Thesis Academic Award [1996]

Graduate Scholarship: CONACYT-México [1997-1999]

Graduate Professional Scholarship-WSU [1996-1998]

Competitive Grant & Loan “Science and Technology National Board Scholarships”. Limited tuition payment to enroll in the Masters’ program at Wayne State University [1996-1998]